AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) A communication system, comprising:

an off-board computer; and

a first work machine, comprising:

an on-board data link;

an on-board control module connected to the on-board data link, the on-board control module monitoring a value of a first parameter information data code of a mechanical system on-board ~~of~~ the first work machine, and generating a first message containing the value of the first parameter information data code; and

an on-board gateway embedded in the work machine, comprising:

a first interface for connecting to the on-board data link;

a second interface for connecting to an off-board data link;

a server application configured to receive the first message from the on-board module via the on-board data link, to communicate with a second work machine via the off-board data link to receive a second message containing a value of a second parameter information data code of a mechanical system on-board the second work machine, and to communicate with the off-board computer;

a communications application configured to convert formats of the first and second messages for communication to the off-board computer, based on types of data links used to transmit the first ~~message~~ and second messages; and

a Web server application configured to generate work machine performance data based on the converted first message or on the converted second message, and to provide a Web page containing the work machine performance data, the work machine performance data including the value of the first parameter information data code or the value of the second parameter information data code,

the off-board computer being configured to communicate with the gateway, via the server application, to access the Web page containing the work machine performance data, and

the gateway selectively executing the server, communication, and Web server applications based on a type of request received by the gateway from the on-board control module or from the off-board computer.

2. (Canceled)

3. (Previously presented) The system of claim 1, wherein the first interface includes a plurality of on-board data link ports connected to on-board data links .

4. (Previously presented) The system of claim 3, wherein the second interface includes a plurality of off-board data link ports connected to off-board data links.

5. (Previously presented) The system of claim 1, wherein the off-board data link is an Ethernet data link, an SAE standard serial data link, a wireless radio data link, or a wireless satellite data link.

6. (Previously presented) The system of claim 1, wherein the on-board data link is a proprietary data link or an SAE standard serial data link.

7. -13. (Canceled)

14. (Previously presented) The system of claim 1, wherein the gateway is software embedded in an on-board module that controls one or more components of the first work machine.

15. (Previously presented) A method for managing communications in an environment including a first work machine having an on-board data link connected to an on-board control module, an on-board gateway, and an off-board data link connected to an off-board computer and to the gateway, the method comprising:

monitoring, by the on-board control module, a value of a first parameter information data code of a mechanical system on-board the first work machine;

generating, by the on-board control module, a first message containing the value of the first parameter information data code;

selectively executing, by the gateway, a server application to:

receive the first message from the on-board control module via the on-board data link,

communicate with a second work machine, via the off-board data link, to receive a second message containing a value of a second parameter information data code of a mechanical system on-board the second work machine, and

communicate with the off-board computer;

selectively executing, by the gateway, a communications application to convert formats of the first and second messages for communication to the off-board computer based on types of data links used to transmit the first and second messages;

selectively executing, by the gateway, a Web server application that generates work machine performance data based on the converted first message or on the converted second message, and that provides a Web page containing the work machine performance data, the work machine performance data including the value of the first parameter information data code or the value of the second parameter information data code;

providing to the off-board computer, by the server application, access to the Web page containing the work machine performance data,

the server application, the communication application, and the Web server application being selectively executed based on a type of request received from the on-board control module or from the off-board computer.

16. (Canceled)

17. (Previously presented) The method of claim 15, wherein the first message is converted based on a type of the on-board data link, and the second message is converted based on a type of the off-board data link.

18. - 23. (Canceled)

24. (Previously presented) The method of claim 15, wherein the off-board data link is an Ethernet data link, an SAE standard serial data link, a wireless radio data link, or a wireless satellite data link.

25. (Previously presented) The method of claim 15, wherein the on-board data link is a proprietary data link or an SAE standard serial data link.

26. (Previously presented) The method of claim 15, wherein the server application leverages a communication application to convert the formats of the first and second messages.

27. - 34. (Canceled)